

Serial No. 10/759,419

Attorney Docket No. VX012307

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CENTRAL FAX CENTER
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LISTING OF CLAIMS:

1-25 (Canceled)

26. (Previously presented) A flaky, isotropic SmFeN powdery magnet material prepared by roll-quenching a molten alloy and nitriding the alloy powder thus obtained to form a magnet alloy; the magnet alloy consisting of an alloy composition of the formula, by atomic %:



wherein $7.1 \leq x \leq 12$ and $0.5 \leq v \leq 20$, a TbCu₇ crystal structure, and flakes with a thickness of 10-40μm,

wherein

a = 0.3 at.% of the alloy composition up to 30 at.% of Sm, and

b = 2.0 at.% of the alloy composition up to 35 at.% of Fe, and

wherein the magnet alloy has an intrinsic coercive force (iH_c) of 7 kOe or higher.

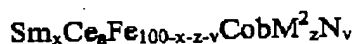
27. (Previously presented) A powdery magnet material according to claim 26, wherein the average crystal grain size of the material is 10 nm to 0.5 μm.

28. (Previously presented) A bonded magnet made by processing the magnet powder according to claim 26 with a binder to the shape of a magnet.

Serial No. 10/759,419

Attorney Docket No. VX012307

29. (Previously presented) A flaky, isotropic SmFeN powdery magnet material prepared by roll-quenching a molten alloy and nitriding the alloy powder thus obtained to form a magnet alloy; the magnet alloy consisting of an alloy composition of the formula, by atomic %:



wherein $7.1 \leq x \leq 12$, $0.5 \leq v \leq 20$ and $0.1 \leq z \leq 1.0$, a TbCu₇ crystal structure, and flakes with a thickness of 10-40 μm,

wherein

a = 0.3 at.% of the alloy composition up to 30 at.% of Sm, and

b = 2.0 at.% of the alloy composition up to 35 at.% of Fe; and

wherein M² is selected from the group consisting of Si, Nb, Ti, Ga, Al, Ta and C, and

wherein the magnet alloy has an intrinsic coercive force (iH_c) of 7 kOe or higher.

30. (Previously presented) A powdery magnet material according to claim 29, wherein the average crystal grain size of the material is 10 nm to 0.5 μm.

31. (Previously presented) A bonded magnet made by processing the magnet powder according to claim 29 with a binder to the shape of a magnet.

32. (Previously presented) A flaky, isotropic SmFeN powdery magnet material prepared by roll-quenching a molten alloy and nitriding the alloy powder thus obtained to form a magnet alloy; the magnet alloy consisting of an alloy composition of the formula, by atomic %:

Serial No. 10/759,419

Attorney Docket No. VX012307



wherein $7.1 \leq x \leq 12$ and $0.5 \leq v \leq 20$, a TbCu_7 crystal structure, and flakes with a thickness of 10-40 μm ,

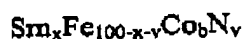
wherein $a = 0.3$ at.% of the alloy composition up to 30 at.% of Sm, and

wherein the magnet alloy has an intrinsic coercive force (iHc) of 7 kOe or higher.

33. (Previously presented) A powdery magnet material according to claim 32, wherein the average crystal grain size of the material is 10 nm to 0.5 μm .

34. (Previously presented) A bonded magnet made by processing the magnet powder according to claim 32 with a binder to the shape of a magnet.

35. (Previously presented) A flaky, isotropic SmFeN powdery magnet material prepared by roll-quenching a molten alloy and nitriding the alloy powder thus obtained to form a magnet alloy; the magnet alloy consisting of an alloy composition of the formula, by atomic %:



wherein $7.1 \leq x \leq 12$ and $0.5 \leq v \leq 20$, a TbCu_7 crystal structure, and flakes with a thickness of 10-40 μm ,

wherein $b = 2.0$ at.% of the alloy composition up to 35 at.% of Fe, and

wherein the magnet alloy has an intrinsic coercive force (iHc) of 7 kOe or higher.

Serial No. 10/759,419

Attorney Docket No. VX012307

36. (Previously presented) A powdery magnet material according to claim 35, wherein the average crystal grain size of the material is 10 nm to 0.5 μm .

37. (Previously presented) A bonded magnet made by processing the magnet powder according to claim 35 with a binder to the shape of a magnet.

38. (Previously presented) A flaky, isotropic SmFeN powdery magnet material prepared by roll-quenching a molten alloy and nitriding the alloy powder thus obtained to form a magnet alloy; the magnet alloy consisting of an alloy composition of the formula, by atomic %:



wherein $7.1 \leq x \leq 12$, $0.5 \leq v \leq 20$ and $0.1 \leq z \leq 1.0$, a TbCu₇ crystal structure, and flakes with a thickness of 10-40 μm ,

wherein $a = 0.3$ at.% of the alloy composition up to 30 at.% of Sm,

wherein M^z is selected from the group consisting of Si, Nb, Ti, Ga, Al, Ta and C, and

wherein the magnet alloy has an intrinsic coercive force (iH_c) of 7 kOe or higher.

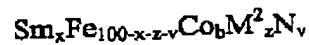
39. (Previously presented) A powdery magnet material according to claim 38, wherein the average crystal grain size of the material is 10 nm to 0.5 μm .

40. (Previously presented) A bonded magnet made by processing the magnet powder according to claim 38 with a binder to the shape of a magnet.

Serial No. 10/759,419

Attorney Docket No. VX012307

41. (Previously presented) A flaky, isotropic SmFeN powdery magnet material prepared by roll-quenching a molten alloy and nitriding the alloy powder thus obtained to form a magnet alloy; the magnet alloy consisting of an alloy composition of the formula, by atomic %:



wherein $7.1 \leq x \leq 12$, $0.5 \leq v \leq 20$ and $0.1 \leq z \leq 1.0$, a TbCu₇ crystal structure, and flakes with a thickness of 10-40 μm,

wherein $b = 2.0$ at.% of the alloy composition up to 35 at.% of Fe,

wherein M² is selected from the group consisting of Si, Nb, Ti, Ga, Al, Ta and C, and

wherein the magnet alloy has an intrinsic coercive force (iH_c) of 7 kOe or higher.

42. (Previously presented) A powdery magnet material according to claim 41, wherein the average crystal grain size of the material is 10 nm to 0.5 μm.

43. (Previously presented) A bonded magnet made by processing the magnet powder according to claim 41 with a binder to the shape of a magnet.